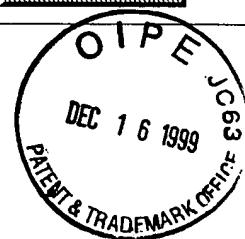


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JAPANESE PATENT OFFICE



TC 2700 MAIL ROOM

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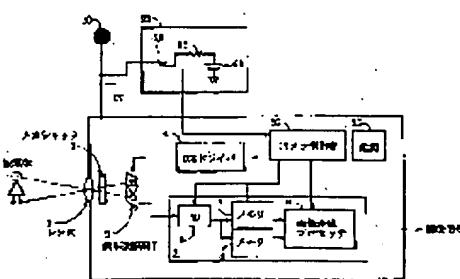
(22) Date of filing: 24.05.1996 (72) Inventor: KAWAJIRI KAZUHIRO

(54) ELECTRONIC PHOTOGRAPHING CAMERA AND PHOTOGRAPHING METHOD THEREFOR

(57) Abstract:

PROBLEM TO BE SOLVED: To enlarge a dynamic range without enlarging a chip area by changing the length of first and second electric charge storage time, forming the image signals of the same scale based on an obtained electric charge and synthesizing them.

SOLUTION: A solid-state image pickup element 3 outputs the image signals for two times. That is, the image signal formed based on the electric charge stored in a photodiode during the first storage time is outputted as a first image signal and the image formed based on the electric charge stored in the photodiode during the second storage time thereafter is outputted as a second image signal. Memories 7 and 8 can respectively store the images of one frame. The memories 7 and 8 respectively store first and second image signals supplied from an A/D



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converter 6. An image synthesis processor 9 synthesizes the first and second image signals stored in the memories 7 and 8, generates the image signals having the wide dynamic range and outputs them to the outside.

LEGAL STATUS

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